State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-125

Relating to Certification of New Heavy-Duty Motor Vehicle Engines CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1995 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control <u>Systems and Special Features</u>
SCE661EJDARA (353B)	11	(661)	Powertrain Control Module Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification emission standards for this engine family in grams per brake horsepower-hour are as follows:

Total	Carbon	Nitrogen	<u>Particulates</u>
<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
1.3	15.5	5.0	0.10

The certification emission values for this engine family in grams per brake horsepower-hour are as follows:

Engine	Total	Carbon	Nitrogen	<u>Particulates</u>
<u>Family</u>	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
SCE661EJDARA (353B)	0.2	1.4	4.2	0.07

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this \geq

day of December, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer	Cummins E	ngine Company,	Inc.	Fraina Pam		*#####################################
Displacement	;	/ 10.8 I	iters	gudrue tatt	1717 (223B) 20	Cubic Juana
Maximum Rated	Power:	330	HP @ 1800	RPM Eng	ine Configur	cubic inches
Ignition: Co	ompression X	Compre	asion with G	low Plus	e.	acton: 1-6
Fuel Type(s):	Dedicated_	Flex-Fuel_	Dual-Fue	l Diese	PI	Mac
	CNGL	NGLPG	Other (sp	ecify)	* <u></u>	M9J
Diesel Cert F	uel: 13 CCR	2282	40 CFR 86.13	313-90	40 CFR 8	6.1313-94 V
Primary Inten	ided Service	Class: LHD	мяр	нир_	XUrb	an Bus
Exhaust ECS (include.MFI,	TC, CAC):	PCM (TC, CA	2)		
	·			lations per	SAE J1930 SE	P91)
Engine Model (Eng Code)		Fuel Rate @ Rated HP mm3 / stroke (lbs/hr)	Fuel Pump § Injector Part No.	ECM/PCM Part No.		PTOX / Catalytic Converter Part No.
M11-330E (1855)	330 @ 1800	172 (105)	3084589	3084473	N/A	N/A
M11-310E (1855)	310 @ 1800	161 (98)	3084589	3084473	N/A	N/A
M11-280E (1855)	280 @ 1800	146 (89)	3084589	3084473	N/A	N/A
M11 ESP I (1855)	280 @ 1800	146 (89)	3084589	3084473	N/A	N/A
M11 ESP TI (1857)	310 @ 1800	161 (98)	3084589	3084473	N/A	N/A
M11-315ESP (1857)	315 @ 1800	166 (101)	3084589	3084473	N/A	N/A
M11-320E (1855)	320 @ 2000	157 (106)	3084589	3084473	N/A	N/A
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